

# BUTCHERS' TOOLS



BUTCHERS' AND PACKERS'  
SAWS, ICE TOOLS  
and MACHINE KNIVES

Manufactured by

C. A. HILES & CO.

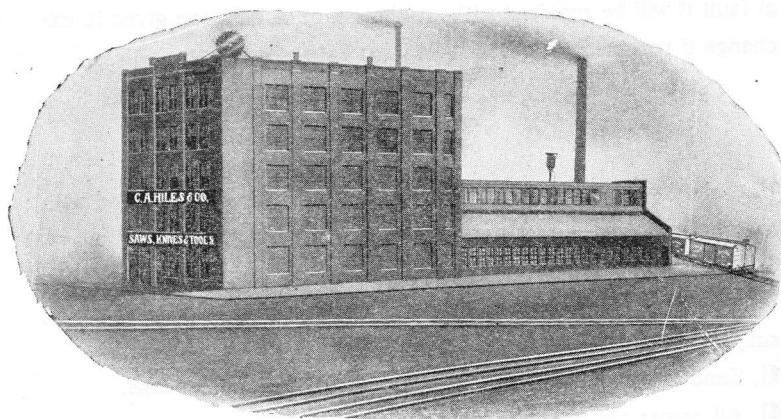
14th ST. AND WESTERN AVE.  
CHICAGO, ILL.



# C. A. HILES & CO.

(Incorporated)

14th Street and Western Avenue  
CHICAGO, ILL.



MANUFACTURERS OF

Circular Wood Saws

Band Saws

Butchers' Saws and Butchers'  
Machine Knives

Circular Saws for Cutting Iron and Steel

Machine Knives for all Purposes

Melting Ladles

Ice Tools

Tempering and Annealing

## **Terms of Warranty**

**E**VERY Tool bearing our brand is guaranteed free from flaws and seams. If found defective in either of these points the goods may be returned, and if on examination same prove to be at fault it will be repaired without charge, or a new one given in exchange if received within 30 days from date of purchase.

## **Terms**

- C.** Orders from parties unknown to us must be accompanied with cash or good commercial reference.
- C.** Remittance should be by Draft on Chicago or New York, P. O. Money Order or Registered Letter. Bills unpaid by 20th proximo, subject to sight draft.
- C.** Send full shipping directions to prevent delay and expense.
- C.** All prices are f. o. b. Chicago.
- C.** Boards and cases charged at cost.

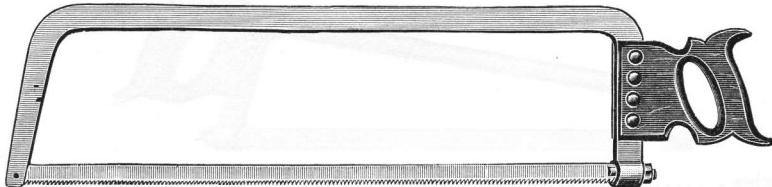
## **Miscellaneous Work**

- C.** We make to order all kinds of Springs, Tools, and anything that can be made from sheet steel. We are also prepared to do forging of all kinds. **Tempering and annealing work solicited.** Our facilities are first-class. We will be glad to furnish estimates.

*All agreements are contingent upon strikes, accidents, fires and other causes unavoidable or beyond our control.*

## Butcher Saws

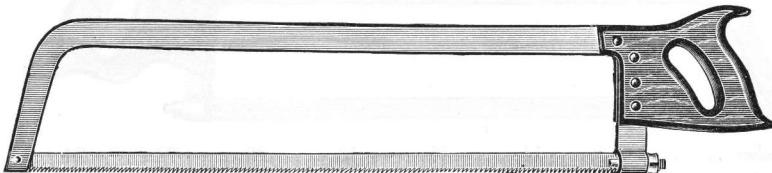
### No. 10. California High Flat Back Clock Spring Blades



Solid Steel Frames and Stretchers

Length, inches.....	16	18	20	22	24	26	28	30
Price, per dozen.....	\$27.00	28.00	29.00	30.00	31.00	33.00	36.00	40.00

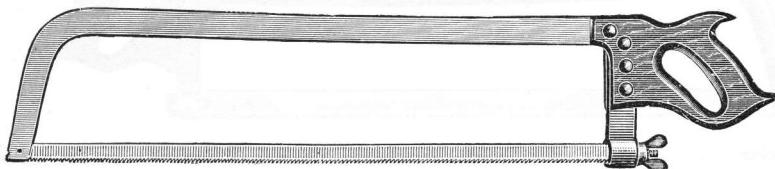
### No. 12. Cincinnati Pattern Saws Clock Spring Blades, 3/4 inch Wide



Improved Steel Stretcher—Steel Back

Length, inches.....	16	18	20	22	24	26	28	30
Price, per dozen.....	\$16.00	17.00	18.00	19.00	20.00	21.00	22.50	24.50

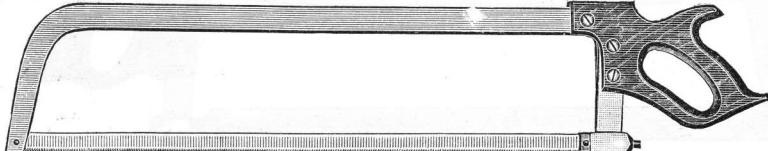
### No. 13. Pittsburg Pattern Saws



Solid Steel Frames and Stretchers

Length, inches.....	14	16	18	20	22	24	26	28	30
Price, per dozen.....	\$15.00	19.00	20.00	21.00	23.00	25.00	27.00	29.50	32.50

### No. 15. John Wagner Pattern Saws



Length, inches.....	16	18	20	22	24	26	28
Price, per dozen.....	\$19.00	20.00	21.00	23.00	25.00	27.00	29.00

*Write for Discounts*

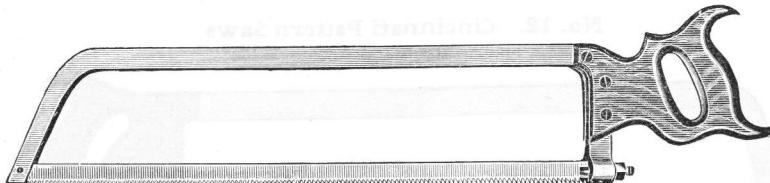
No. 20. Pork Packers' Saws

Clock Spring Blades



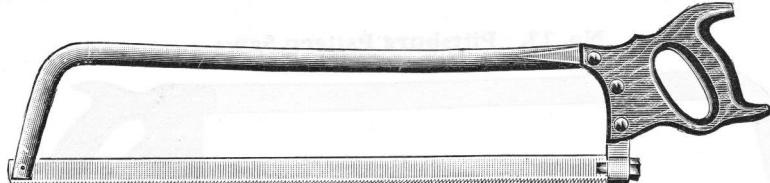
Length, inches .....	14	16	18	20
Price, per dozen.....	\$15.25	16.00	17.00	18.50

No. 35. Eastern Pattern—Flat Steel Back



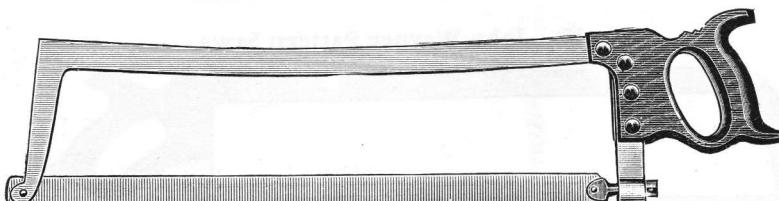
Length, inches .....	14	16	18	20	22	24	26
Price, per dozen.....	\$16.00	17.00	18.00	19.00	20.00	21.00	22.00

No. 40. Oval Steel Back



Length, inches .....	12	14	16	18	20	22	24	26
Price, per dozen.....	\$14.50	15.25	16.00	17.00	18.00	19.00	20.00	22.00

No. 50. New York Pattern Saws

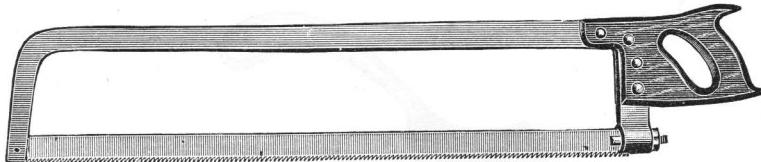


Length, inches .....	16	18	20	22	24	26	28
Price, per dozen.....	\$20.00	21.00	22.00	23.00	24.00	26.00	28.00

*Write for Discounts*

**No. 70. Heavy Solid Steel Frame Tail Saw**

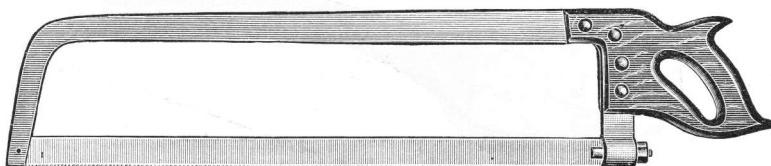
Extra Heavy Steel Stretcher



32 inch blade. Price, each .....	\$ 4.50
32 inch extra blades. Price, per dozen .....	10.50

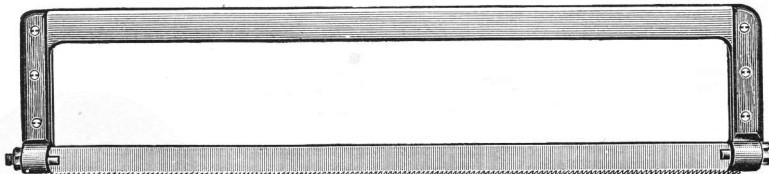
**No. 75. Heavy Solid Steel Frame Brisket Saw**

Extra Heavy Steel Stretcher



30 inch blade. Price, each .....	\$ 4.00
30 inch extra blades. Price, per dozen .....	10.00

**No. 80. Double Handle Beef Splitting Saw**



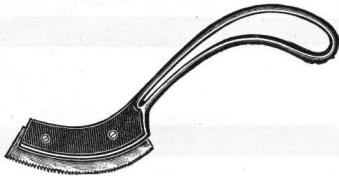
Heavy Steel Frame, 33 inch blade. Price, each .....	\$ 5.50
Heavy Steel Frame, 36 inch blade. Price, each .....	6.00

Other sizes made to order. Prices on application.

Extra blades, 33 inch, per dozen, \$11.00. 36 inch, per dozen, \$12.00.

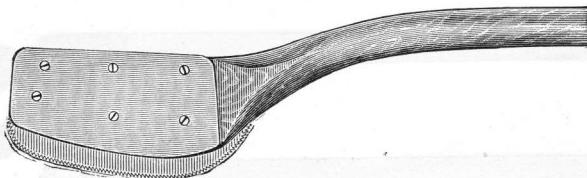
Extra Handles, Screws and Stretchers for all styles of Butcher Saws in stock or made to order at short notice.

*Write for Discounts*

**Scribe Saws****Pork Scribe Saws**

Complete with blade 6 x 2 inches .....	Per dozen, \$15.00
Extra blades 6 x 2 inches .....	" 7.00
Extra blades 8 x 2 inches .....	" 8.00

Any size or pattern to order.

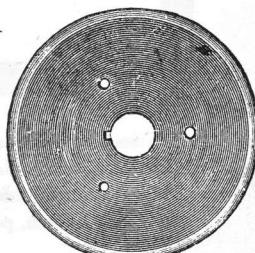
**Beef Scribe Saws**

Complete with blade 8 1/2 x 2 inches .....	Per dozen, \$30.00
Extra blades .....	" 8.00

**Circular Meat and Fat Cutting Knives**

When ordering give diameter, gauge, size of hole, whether beveled on one or both sides, and depth of bevel.

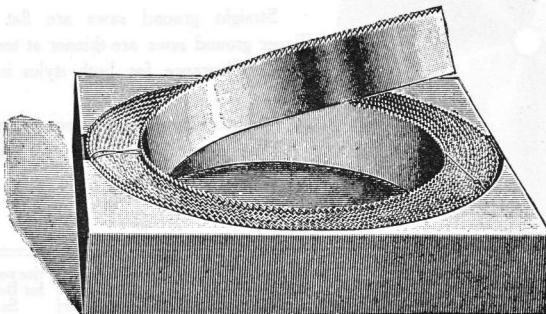
Diameter Inches	Gauge	Price per inch in Diameter
To 10	14	\$0.35
11 and 12	12	.40
13 and 14	11	.45
15 and 16	10	.50
17 and 18	9	.55
19 and 20	9	.60
21 and 22	8	.65
23 and 24	8	.70
25 and 26	7	.75
27 and 28	7	.80
29 and 30	6	.85
31 and 32	6	.95



On Knives heavier than list we allow two gauges and add 5 per cent extra for each additional gauge thereafter.

*Write for Discounts.*

## Butcher Saw Blades



### Blued-in Coils

Width, inches .....	1/2	5/8	3/4	1
Price, per foot .....	.09 1/2	.10 1/2	.12	.16

Can be furnished in coils up to 200 feet.

### Bright Steel

#### Price per Dozen

Length, Inches.....	12	14	16	18	20	22	24	26	28
3/4 inch to 1 1/4 inches wide .....	3.30	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25
1 1/2 inches to 2 inches wide.....	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00

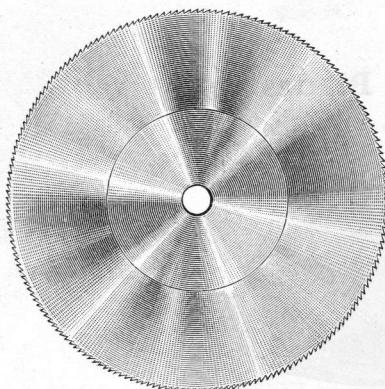
When width is not specified 3/4 inch will be sent.

### Clock Spring Steel—Blued

#### Price per Dozen

Length, Inches.....	12	14	16	18	20	22	24	26	28
3/4 inch to 1 1/4 inches wide .....	3.50	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50
1 1/2 inches to 2 inches wide.....	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25

When width is not specified 3/4 inch will be sent.



## Circular Bone Saws

### Straight and Taper Ground

Straight ground saws are flat across entire saw. Taper ground saws are thinner at teeth than at center of saws. Clearance for both styles is obtained by setting teeth.

No extra charge for saws one gauge thicker than list.

Bone saws for splitting pigs' feet are taper ground to thin gauge at teeth.

Diameter, inches	Thickness, (Stub's English Gauge)	Average Number of Teeth to One Inch	Price, Each	Extra for Each Additional Gauge Heavier	Price per Gauge for Beveling Saws	Extra for Setting and Filing
8	18	9 to 11	\$2.75	\$0.10	\$0.27	\$1.10
9	17	9 to 11	3.44	.13	.31	1.20
10	16	8 to 10	4.13	.15	.35	1.30
11	16	8 to 10	4.75	.18	.38	1.40
12	15	7 to 9	5.19	.21	.44	1.50
14	15	7 to 9	6.25	.26	.50	1.70
16	14	6 to 8	7.50	.31	.62	1.90
18	13	5 to 7	9.38	.38	.75	2.10
20	13	5 to 7	11.25	.44	.87	2.30
22	12	4 to 6	13.75	.56	1.00	2.60
24	11	4 to 6	16.25	.68	1.13	2.90

## Circular Bone Saws—Concave Ground

Bone saws concave ground do not need the teeth set for clearance, as clearance is obtained by the saws being thinner at edge of collar than at teeth. (See cut of Wood Miter Saws.)

Diameter, inches	Thickness, (Stub's English Gauge)	Average Number of Teeth to One Inch	Price, Each	Extra for Each Additional Gauge Heavier
8	18	9 to 11	\$3.30	\$0.12
9	17	9 to 11	4.13	.15
10	16	8 to 10	4.95	.18
11	16	8 to 10	5.70	.21
12	15	7 to 9	6.23	.25
14	15	7 to 9	7.50	.32
16	14	6 to 8	9.00	.38
18	13	5 to 7	11.25	.45
20	13	5 to 7	13.50	.53
22	12	4 to 6	16.50	.68
24	11	4 to 6	19.50	.81

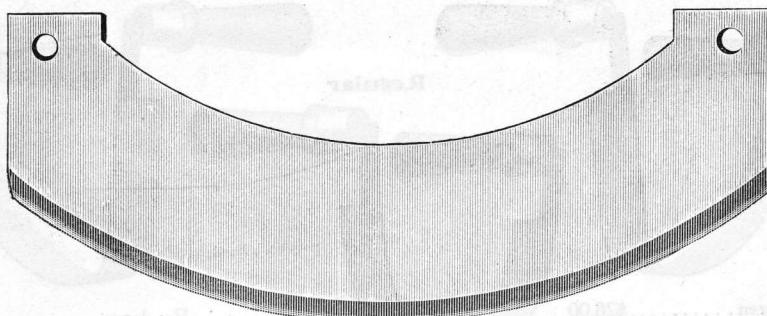
No extra charge for saws one gauge thicker than list.

Bone saws for use in fertilizer works are usually concave ground. Bone saws concave ground are sharpened ready for use.

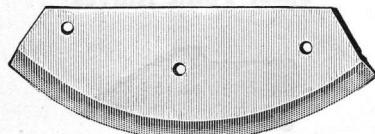
## Circular Horn and Ivory Saws

Prices same as for Bone Saws.

## Rocker Knives



Made for all machines. Prices quoted on receipt of diagram and dimensions.

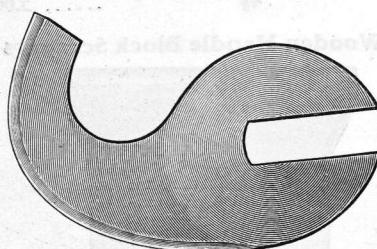
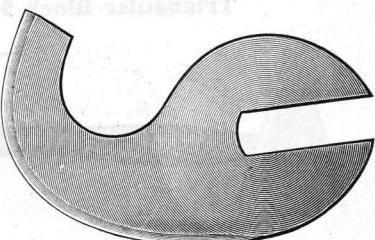


## Slicing Machine Knives

Prices quoted on receipt of diagram and dimensions.  
State number of knives to a set and number of sets that will  
be ordered. When placing order send an old set of knives  
or a set of metal templates.

## Buffalo Silent Cutter Knives

No. 18.	18 inch bowl,	2 knives to set,	Price per set, \$3.50
No. 19.	20 "	2 "	" " 3.50
No. 21.	21 "	2 "	" " 5.20
No. 23½.	23½ "	3 "	" " 9.00
No. 27.	27 "	3 "	" " 9.75
No. 32.	32 "	4 "	" " 14.00
No. 40.	40 "	6 "	" " 30.00



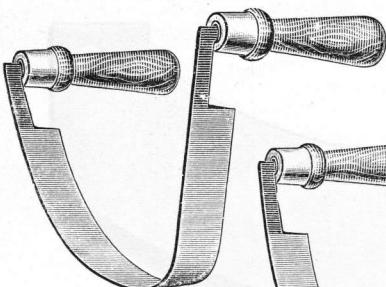
## Boss Silent Cutter Knives

No. 1.	20 inch bowl,	2 knives to set,	Price per set, \$3.00
No. 2.	23 "	3 "	" " 6.75
No. 4.	27 "	3 "	" " 7.50
No. 5.	33 "	4 "	" " 11.00
No. 6.	43 "	6 "	" " 30.00

*Send for Discounts.*

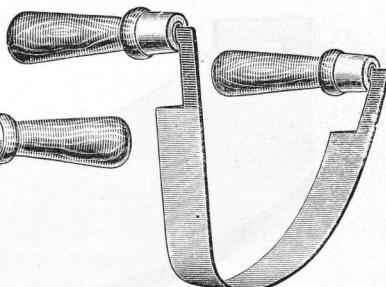
## Loin Knives

Right Hand



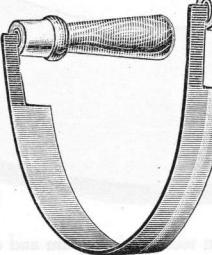
Per dozen ..... \$28.00

Left Hand



Per dozen ..... \$28.00

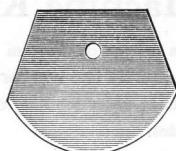
Regular



Per dozen ..... \$24.00

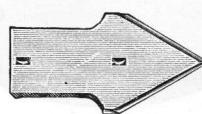
Special Loin Knives made to order.

Hog Scrapers



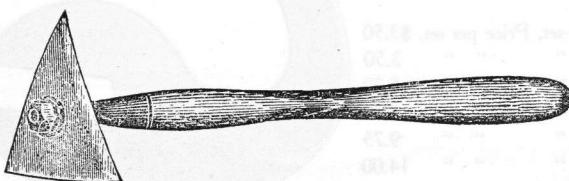
Prices quoted on receipt of sketch and specifications.

Spear Point Knives



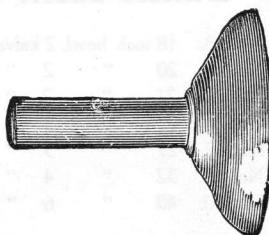
Prices quoted on request. State quantity to be ordered and thickness of knife.

Triangular Block Scraper



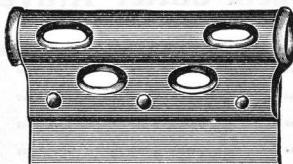
Per dozen ..... \$6.00

Bell Shaped Hog Scrapers



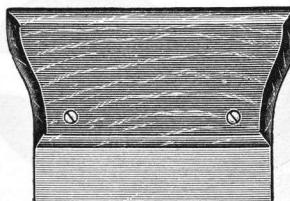
4 inch, per dozen ..... \$4.00  
 $4\frac{1}{2}$  " " " ..... 5.00

Iron Handle Block Scrapers



Price, per dozen ..... \$6.00

Wooden Handle Block Scrapers



Price, per dozen ..... \$6.00

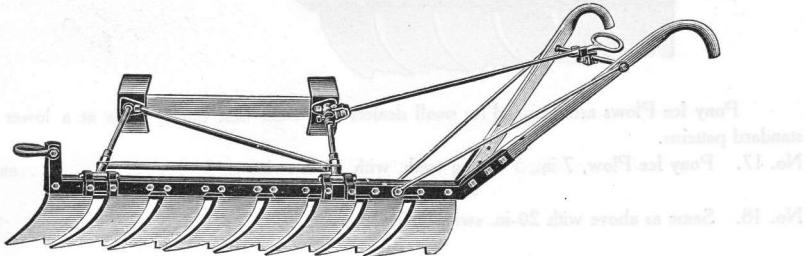
## Swing Guide Plows

*Our Plows and Markers are made from the best quality crucible cast steel.*

The beams are steel and of full standard weight.

Each part is made with great care and of the best material.

*Our Plow-guides are the most rigid and the best now offered to the ice cutters, and are superior to the old style guides. The guide ears are made in separate pieces and can be easily replaced by perfect ears when bent. The guide handle rod is securely held in a socket on the cross bar, and the guide arms have extra strong braces.*



### Swing Guide Plows

Our Swing Guide Plows are made from the best quality steel. They run perfectly true, cut cakes of uniform size and give perfect service.

#### Best Cast Steel, 22-inch Swing Guide Attached.

No. 7. 6-inch, 8 Cutting Teeth.	Weight, with case, 165 pounds.....	each, \$50.50
8. 8-inch, 7 "	" " 170 "	" 56.50
12. 9-inch, 7 "	" " 175 "	" 59.50
9. 10-inch, 6 "	" " 180 "	" 61.50
10. 12-inch, 5 "	" " 185 "	" 66.50

If you have a plow with old style guide, which does not work well, send it to us and let us fit on one of our improved guides.

#### Extra Guides

No. 21. Swing Guide only, with connections for any depth plow, for 22-inch cakes.....each, \$9.50  
Guides for any size cakes made to order.

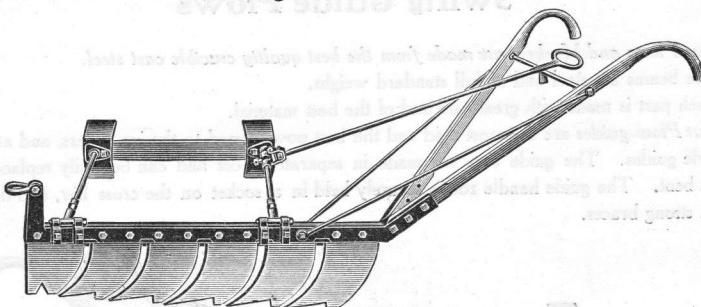
If it is desired to cut cakes of two sizes, we furnish extra guides where plow is already fitted with one guide, as follows:

16 inches to 28 inches wide .....	\$7.50
30 inches to 36 inches wide .....	8.00
Connections for guides, incl. cross bar with our improved positive lock, per set .....	2.00

*Cost of fitting old plows and markers with the Hiles' Improved Guide, furnished on application.*

*Prices Subject to Discount.*

## Pony Ice Plows

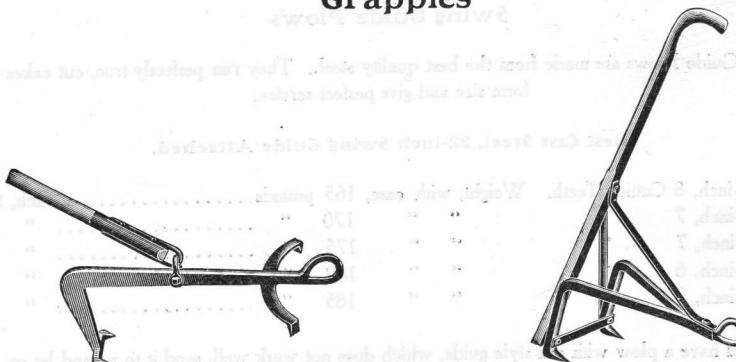


Pony Ice Plows are designed for small dealers who want best quality tools at a lower price than standard patterns.

No. 17. Pony Ice Plow, 7 in., 5 cutting teeth, with 22-in swing guide, ..... each, \$28.50  
Weight with case, 125 pounds.

No. 18. Same as above with 20-in. swing guide..... " 28.50

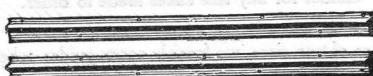
## Grapples



No. 105. Channel Grapple, with handle, each, \$4.25 No. 106. Jack Grapple, Reversible right or  
Weight, 18 pounds. left hand ..... each, \$4.25

No. 104. Channel Grapple, without handle, ea., 3.75 Weight, 25 pounds.  
Weight, 14 pounds.

## Patent Run Iron



No. 2. 12 ft. lengths ..... per foot, \$0.06 1/2  
3. 14 ft. " ..... " .06 1/2  
4. 16 ft. " ..... " .06 1/2

Approximate weight per foot, 1 1/8 pounds.

Run iron is made to fasten on wooden runs. The V grooves the ice and thus prevents it from sliding off.  
No. 10. 3/4-inch Oval Run Iron, drilled and countersunk ..... per foot, \$0.06

*Prices Subject to Discount.*

## Ice Tongs

### Boston Pattern—Swell Handles

Made of the Best Steel and will Keep Their Shape.



No. 1.	13-inch span.	Weight 35 pounds per dozen .....	per doz., \$14.00
2.	15-inch span.	" 40 "	" 15.00
3.	17-inch span.	" 48 "	" 16.00
4.	24-inch span.	" 65 "	" 18.00

### Boston Pattern—Hollow Handles

Extra Grade, Large Gas-pipe Handles, and Best Tool Steel Bows and Points Entire.

No. 10.	13-inch span.....	per doz., \$19.00
11.	15-inch span.....	" 20.00
12.	17-inch span.....	" 21.00



Standard Grade, Large Gas-Pipe Handles, Steel Bows and Tool Steel Points.

No. 15.	13-inch span.....	per doz., \$16.00
16.	15-inch span.....	" 17.00
17.	17-inch span.....	" 18.00



### New York Pattern—Swell Handles

No. 20.	13-inch span.....	per doz., \$14.00
21.	15-inch span.....	" 15.00
22.	17-inch span.....	" 16.00
23.	24-inch span.....	" 18.00

### Philadelphia Pattern—Swell Handles

No. 30.	11-inch span.....	per doz., \$17.00
31.	17-inch span.....	" 20.00
32.	21-inch span.....	" 23.00



### Cincinnati Pattern—Chain Handles

Bows and Points are Made of Best Quality Tool Steel.

No. 40.	10-inch span.....	per doz., \$12.00
41.	12-inch span.....	" 12.50
42.	15-inch span.....	" 13.00



### Edging-Up Tongs

For Packing Ice in the House on Edge, these are the Most Convenient  
Tongs Made.

No. 50.	Edging-Up Tongs, steel .....	per doz., \$18.00
Weight 4½ pounds.		



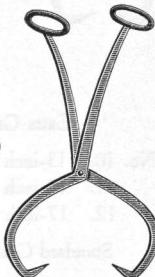
*Prices Subject to Discount.*



**Steel Lowering Tongs**

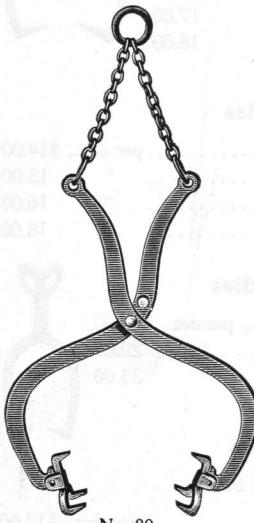
No. 60.	17-inch span.....	each, \$1.75
	Weight 5½ pounds.	
61.	24-inch span.....	" 2.00
	Weight 6 pounds.	
62.	24-inch span, double points.....	" 2.75
	Weight 6½ pounds.	

For use where there is but little room, filling market refrigerators or small ice house and for lowering from houses or into holds of vessels.



**Drag or Stowing Tongs**

No. 70.	Drag Tongs, steel, 3 ft. high, 32 in. span.....	per doz., \$21.00
	Weight 8 pounds.	



**Steel Hoisting Tongs**

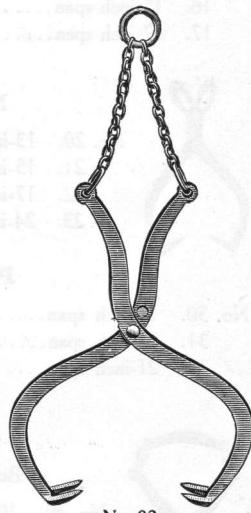
No.	Each
80.	With Adjustable Grips .....
	\$6.00
	Weight 24 pounds.

These jointed grips will adjust themselves to a bearing on various sizes and shapes of cakes, and are much superior on this account.

They are made of selected cast steel and combine strength with light weight.

No.	Each
82.	With Claw Points .....
	\$4.50
	Weight 18 pounds.

This style is made with claw points without joints and will hold very firmly.  
Thoroughly made from selected cast steel.



No. 80

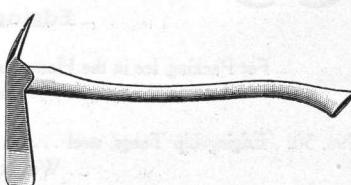
No. 82

**Ice Axes**

**Round Edge Blades**

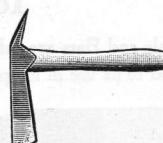
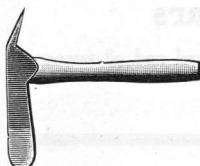
No. 1.	Wagon Axe, 1¾-in. blade .....	per doz., \$20.00
2.	Wagon Axe, 2½-in. blade .....	" 20.00
3.	Wagon Axe, 3-in. blade .....	" 20.00

Weight 4 pounds. Handle 30 in.



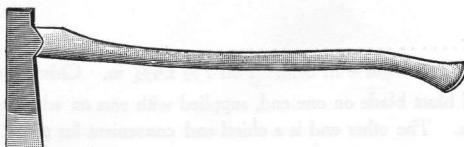
*Prices Subject to Discount.*

C. A. HILES & CO., CHICAGO

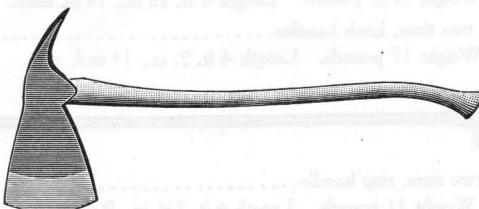


No. 5. Wagon Axe ..... per doz., \$16.00  
Handle 16 in., 2½-in. blade.  
Weight 2½ pounds.

No. 10. Wagon Axe ..... per doz., \$15.00  
Handle 13 in., 2-in. blade.  
Weight 2 pounds.



No. 15. Tapping Axe ..... each, \$2.00  
Weight 6 pounds. Handle 36 in. Blade 3 in.



No. 20. House Ice Axe, 6-in. blade ..... each \$3.00  
Weight 6½ pounds. Handle 36 in.

Extra heavy axe for splitting large blocks of ice and for general use about an ice house.

**Ice Adze**



No. 1. Ice Adze, 6-in. blade, 5 teeth ..... each, \$4.00  
Weight 5½ pounds.

No. 2. Ice Adze, 4-in. blade, 4 teeth ..... each, 3.50  
Weight 4 pounds.

Used for trimming off any unevenness from the cakes of ice, when stowing in the ice house or loading cars or vessels.

*Prices Subject to Discount.*

## Ice Chisels and Bars

All Chisels and Bars are full pattern and weight, extra finished and oil tempered. Each chisel is especially adapted to its use in temper, weight and shape.



- No. 1. Calking Bar.....each, \$2.50  
Weight 10 pounds. Blade  $4\frac{3}{4}$  x 17 in. Length, 4 ft. 9. in.



- No. 3. Breaking Off Bar.....each, \$3.25  
Weight  $17\frac{1}{2}$  pounds. Length 4 ft. 8 in. Pad  $7\frac{1}{2}$  x  $4\frac{3}{4}$  in. Chisel Blade  $2\frac{3}{4}$  in. wide.

Made with a broad blunt blade on one end, supplied with ears on which to bear the foot in breaking off sheets or floats of ice. The other end is a chisel and convenient for many purposes.



- No. 5. Heavy Fork Bar, two tines, ring handle.....each, \$4.50  
Weight  $17\frac{1}{2}$  pounds. Length 4 ft. 10 in., 14 in. tines.

- No. 6. Heavy Fork Bar, two tines, knob handles.....each, 4.25  
Weight 17 pounds. Length 4 ft. 9. in., 14 inch tines.



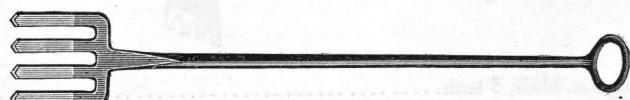
- No. 7. Light Fork Bar, two tines, ring handle.....each, \$4.25  
Weight 11 pounds. Length 4 ft.  $7\frac{1}{2}$  in., 9 in. tines.

- No. 8. Light Fork Bars, two tines, knob handle .....each, 4.00  
Weight  $10\frac{1}{2}$  pounds. Length 4 ft. 6. in., 9 in. tines.



- No. 9. Fork Bar, three tines, ring handle.....each, \$4.25  
Weight 15 pounds. Length 4 ft.  $10\frac{1}{2}$  in. Fork 6 in. wide.

- No. 10. Fork Bar, three tines, knob handle.....each, 4.00  
Weight  $14\frac{1}{2}$  pounds. Length 4 ft. 9 in.



- No. 11. Fork Bar, four tines, ring handle.....each, \$4.50  
Weight 18 pounds. Length 4 ft. 9 in. Fork 8 in. wide.

- No. 12. Fork Bar, four tines, knob handle .....each, 4.25  
Weight  $17\frac{1}{2}$  pounds. Length 4 ft. 6 in.

*Prices Subject to Discount.*

C. A. HILES & CO., CHICAGO



No. 21. Packing Chisel ..... each, \$3.25  
Weight 10 pounds. Length 4 ft. 9 in. Blade 5 x 10½ in.

Blade same as chisel bar, but having a wooden handle. A light, convenient bar for packing ice.



No. 23. Floor Chisel ..... each, \$3.25  
Weight 10 pounds. Length 4 ft. 9 in. Blade 5 x 10½ in.  
Same as packing chisel, except that the blade is curved.



No. 25. Floor Shavers. Five teeth ..... each, \$4.00  
Weight 10 pounds. Length 4 ft. 10 in. Blade 6 in. wide.

Similar to the floor chisel, but made with a tooth blade, like an ice shaver. To be used instead of the adze. A heavier and more serviceable article than sold by most dealers.



No. 27. Striking Under Bar ..... each, \$3.25  
Weight 14½ pounds. Length 4 ft. 7 in. Blade 2¼ x 10 in.

Used in the summer season to loosen the cakes of ice after they have been cut around with the chisel bar.



No. 29. Ring Handle Needle Bar ..... each, \$2.00  
Weight 11½ pounds. Length 5 ft.



No. 31. Hook Chisel (wooden handle) ..... each, \$3.00  
Weight 7½ pounds. Length 6 ft. Blade 10½ x 3 in.

Chisel and Ice Hook combined for use in the channel and made heavy enough to split the cakes well.



No. 33. Elevator Feeding Fork ..... each, \$1.50  
Length 6 ft. 7 in. Tines 6 in. long.

For feeding ice to the elevator. Having two prongs, the blocks of ice are easily controlled by the operator.

*Prices Subject to Discount.*

C. A. HILES & CO., CHICAGO

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No. 44. Chisel Bar ..... each, \$3.25  
Weight 15½ pounds. Length 4 ft. 7 in. Blade 4½ x 10½ in.

Made with wide blade, beveled on one side. Used mostly in getting ice out of the house.



No. 48. Ring Handle Chisel ..... each, \$2.75  
Weight 14 pounds. Length 4 ft. 7½ in. Blade 10½ x 3 in.

No. 49. Splitting Chisel, knob handle ..... each, 2.50

These splitting chisels are made with narrow blades tapered gradually on both sides, and are used to split floats of ice into single cakes. The Ring Handle Chisel is mostly used, being more convenient and less liable to be lost.



No. 62. Line Marker ..... each, \$0.90  
Weight 2 pounds. Length 4 ft. 8 in.

Used with a straight edge for making first straight line in laying out an ice field.



No. 60. Scoop Net ..... each, \$3.00  
Weight 8 pounds. Handle 6 ft.

Made of chain and used for removing small pieces of ice from the channel.



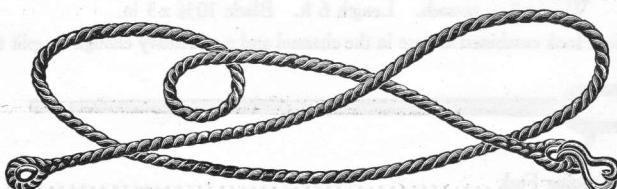
No. 61. Sieve Shovel ..... each, \$1.75  
Weight 6½ pounds. Forged Steel Tines.

Used for the same purpose as a Scoop Net, and by some preferred.



No. 63. Ice Auger ..... each, \$3.50  
Weight 6 pounds. Length 3 ft. 6 in.

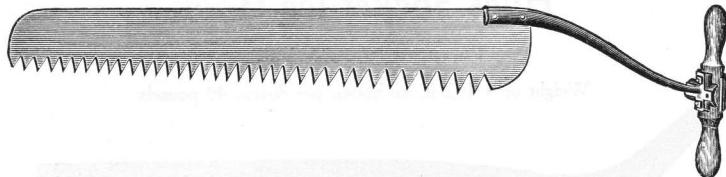
No. 64. Measuring Iron, 24 inch ..... each, \$0.50



No. 26. Plow Rope, with thimble and sister hooks, made of the best manila rope, one inch diameter ..... each, \$1.75  
Length, 8 ft.

*Prices Subject to Discount.*

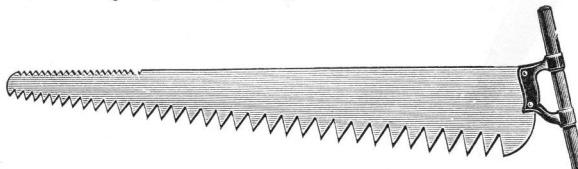
## Best Cast Steel Ice Saws



No. 1. Pond Ice Saws, 4 feet, complete .....	each, \$4.50
2. " " 4½ " "	" 4.75
3. " " 5 " "	" 5.00
4. " " 5½ " "	" 6.50

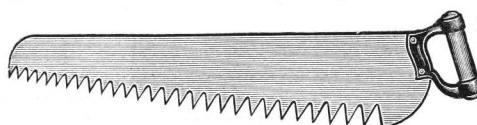
Weight, 4 ft. 10½ pounds—4½ ft. 12 pounds—5 ft. 13½ pounds—5½ ft. 15 pounds.

As the result of long and careful attention devoted to the perfecting of Ice Saws, we have the best and fastest cutting Ice Saws for pond, house and wagon use.



No. 5. House Ice Saw (blade 42 inches long) .....	each, \$3.50
Weight, 5 pounds.	

Our House Ice Saws with improved handles and teeth are highly prized by all dealers who have used them. This handle allows the use of both hands, so that the pressure may be applied on the point of the saw, and with the double teeth this saw rapidly cuts the cakes loose at back and sides, greatly reducing the cost of getting ice out of the house. Can also be operated with one hand when desired.



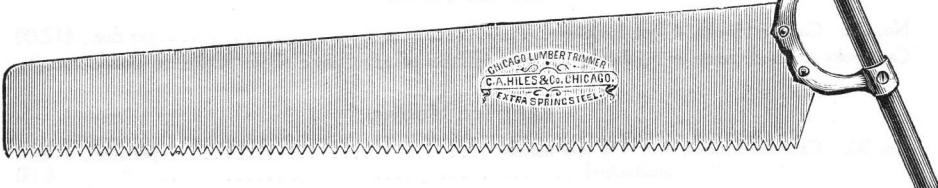
No. 7. Wagon Ice Saw, 26 inch blade, best cast steel.....	each, \$1.25
8. Wagon Ice Saw, 30 inch blade, best cast steel.....	" 1.25

## Hiles' Improved Trimmer Saw

Made of best quality steel with extra stiff blade.

Can be used with one or both hands.

Very handy for trimming lumber, joists, etc.

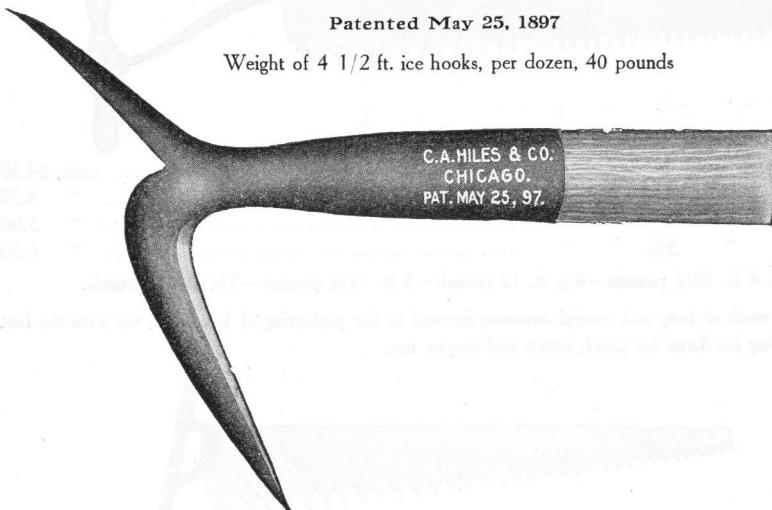


30 inch blade..... Price, each, \$1.50 net

**Hiles Socket Ice Hook**

Patented May 25, 1897

Weight of 4 1/2 ft. ice hooks, per dozen, 40 pounds



This hook and socket is one solid forging. The puler and shover are of the best tool steel and the socket solid wrought iron. The weight is the same as the old style hook.

The handle is firmly set into the socket and secured by rivets.

This hook is a neater, handier and stronger tool than the old style, and more serviceable in every way.

The handles are of selected second growth timber, with large knob at top; the lower part is protected by a wrought iron socket. In case of breakage new handles can be quickly inserted without special tools or skilled labor.

No. 1.	With 3 feet handles.....	per doz., \$ 9.00
2.	" 3½ "	" 9.00
3.	" 4 "	" 9.25
4.	" 4½ "	" 9.50
5.	" 5 "	" 10.00
6.	" 6 "	" 10.50
8.	" 8 "	" 12.00
9.	" 10 "	" 13.00
10.	" 12 "	" 14.00
11.	" 14 "	" 15.50
12.	" 16 "	" 17.00
13.	" 18 "	" 18.50
14.	" 20 "	" 21.00
32.	Socket Ice Hook forgings, ready for handling, including rivets.....	" 8.00

**Car Ice Hooks**

No. 20. Car Ice Hooks, 4 feet handles..... per doz., \$12.00  
Car hooks are made same as regular hooks, with addition of extra piece above socket to protect handle.

**Cant Ice Hooks**

No. 30. Cant Ice Hooks, 4 or 4½ feet handle..... per doz., \$16.00  
" " unattached..... " 6.00

*Prices Subject to Discount.*

## Ice Shavers

All our Shavers are Made of Best Quality Cast Steel



Weight of 2 1/2 ft. Shaver, 4 pounds.

D or straight handles. Large ( $7\frac{1}{2} \times 4\frac{3}{4}$  in.) or small blade ( $6\frac{1}{2} \times 4\frac{1}{4}$  in.)

No.	1.	Socket Ice Shaver, Welded Blade, Length, 2 feet .....	each, \$2.25
2.	" "	" " 2½ "	" 2.25
3.	" "	" " 3 "	" 2.25
4.	" "	" " 4 "	" 2.25
5.	" "	Riveted Blade, " 2 "	" 2.00
6.	" "	" " 2½ "	" 2.00
7.	" "	" " 3 "	" 2.00
8.	" "	" " 4 "	" 2.00
10.	Ice Shavers.	Wood handle with ferrule. Blade $4\frac{1}{2} \times 2\frac{3}{4}$ in. Length 10 in.....	" .50
20.	Socket Ice Shavers.	Wood handle. Blade $6 \times 3\frac{1}{4}$ in. Length 14 in.....	" 1.50
21.	Ice Shavers,	with ferrule. Blade $6 \times 3\frac{1}{4}$ in. Length 14 in.....	" 1.00

## Ice Breaker

No. 5. Ice Breaker. D or straight handles. Times  $7\frac{3}{4}$  in. long by 3 in. wide.....\$3.50

